

California Regulation for the  
Mandatory Reporting of Greenhouse Gas Emissions

**2012 GHG Reporting**  
Refinery Product Data Reporting

February 28, 2013

Presentation Slides Available Here:

<http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance-training.htm>

# Outline

- Introduction
- Guidance
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  - Blendstocks & Feedstocks Refined Off-Site
  - Ethanol
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# Regulatory Overview

- Mandatory Reporting Regulation (MRR)  
Section 95113(l):
  - Calcined coke added to covered product data
  - Single product data component is now “sum of all covered products”
- Cap-and-trade allowances are allocated based on covered product data (as defined in Section 95102)

# Refinery Product Data

- Based on finished products
  - Products exit refinery gates
  - Includes feedstocks and blendstocks (such as RBOB, butane, pentane, alkylate, toluene, etc.)
- Report under section 95113 in the reporting tool
  - All EIA categories listed in the reporting spreadsheet, unless burned onsite

# Product Data vs. Transportation Fuels

- Differentiate between section 95113 and section 95121 reporting:
  - Refinery operators report all products listed in 40 CFR Part 98 Tables C-1 and MM-1 except those combusted on-site
    - Not used for calculating emissions
    - Used to determine allocation of cap-and-trade allowances
  - Transportation fuel suppliers report only the fuel types listed in section 95121
    - Used for calculating emissions

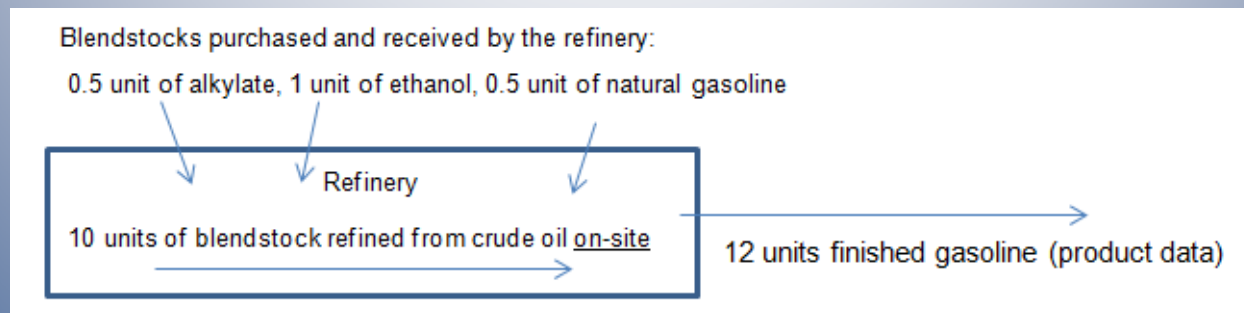


# Monitoring Systems

- Reporting entities may use an accepted method to report product data conforming to sections 95103(k), 95105(c) and 95131(b):
  - Direct meters not meeting section 95103(k)(7) but otherwise accurate to section 95103(k)
  - Sales or shipment transaction records based on financial transaction meters
  - Sales or shipment transaction records without metered product data

# Blendstocks & Feedstocks

- For blendstocks and feedstocks transferred between refineries
  - Do not subtract volume of received blendstock or feedstock from reported finished product data
- Example: A refinery receives crude oil, converts it to gasoline blendstock, then purchases other blendstocks, mixing to sell finished gasoline over a rack:
  - Report product data according to the diagram



# Ethanol

## **Purchased for Use On-Site**

- Typical for petroleum refineries
- Blended with RBOB to make finished gasoline
- Report:
  - Volume of finished gasoline blended with ethanol (EIA 125)
- ARB uses assumed blending ratio for allocation purposes

## **Produced On-Site**

- Not typical for petroleum refineries
- Blended with RBOB to make finished gasoline
- Report:
  - Volume of ethanol, as finished product data (EIA 141)
  - Associated volume of RBOB (EIA 118)



# Products Combusted On-Site

- Table C-1 includes products which are produced on-site and then burned as fuel:
  - Do not report as product data under section 95113 (since they do not leave the facility gate)
  - Report combusted products pursuant to section 95115 for stationary combustion emissions

# Calcined Coke

- Calcined coke has been added to the regulation as covered product data
  - Operator must specify whether calciner is integrated with the refinery operation
  - Subject to material misstatement evaluation
  - Used for allowance allocations in the cap-and-trade program
- Petroleum coke is not covered product data
  - Subject to a conformance check during verification
  - No allocations are based on this product

# Material Misstatement Assessment

- Material Misstatement now applies to the sum of all covered products:
  - Section 95113 product data is applied to the sum of all primary refinery products reported in barrels
  - Asphalt (EIA 931) may be converted to barrels by
    - EIA conversion factor of 5.5 barrels per short ton
    - Measured density at least one time per calendar year
- Note: Hydrogen production produced by refinery operators is not a covered product. Hydrogen production is evaluated for conformance only.

# Questions?

# Additional Training

- ARB sector-specific training (see link for times)  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
  - Mid-April - Electric Power Entities
- Contact ARB staff as needed for questions



# Key Reporting Dates

Date	Activity
February 1	Regulatory deadline: Due date for electric power entities to register specified facilities outside California
February 13	Public release of Cal e-GGRT
<b>April 10</b>	Regulatory deadline: Reporting deadline for facilities and suppliers of fuels and carbon dioxide, except when subject to abbreviated reporting
<b>June 3</b>	Regulatory deadline: Reporting deadline for electric power entities and those subject to abbreviated reporting
July 15	Regulatory deadline: Deadline for corrections to RPS Adjustment data required for electric power entity data reports
September 3	Regulatory deadline: Final verification statements due (emissions data and product data)

# GHG Reporting Contacts

Subject Matter	Contact
GHG Mandatory Reporting (General)	<a href="#">Dave Edwards</a> , Manager 916.323.4887
Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)	<a href="#">Patrick Gaffney</a> 916.322.7303
Reporting Tool Registration and General Questions	<a href="#">Karen Lutter</a> 916.322.8620
Electricity Generation and Cogeneration Facilities	<a href="#">Anny Huang</a> 916.323.8475
Electricity Retail Providers and Electricity Marketers	<a href="#">Wade McCartney</a> 916.327.0822
Fuel and CO <sub>2</sub> Suppliers - Transportation Fuels, Natural Gas, LPG, CO <sub>2</sub>	<a href="#">Syd Partridge</a> 916.445.4292
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	<a href="#">Byard Mosher</a> 916.323.1185
Product Data – Refineries, and Oil & Gas	<a href="#">Joelle Howe</a> 916.322.6349
Greenhouse Gas Report Verification	<a href="#">Renee Lawver</a> , Manager 916.322.7062
Chief – Greenhouse Gas Emission Inventory Branch	<a href="#">Richard Bode</a> , Chief 916.323-8413

# Resources

- Reporting Guidance: Applicability, Metering  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm>
- Tool Training: Registration, Subparts  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
- Cal e-GGRT Main Help Page  
<http://www.ccdsupport.com/confluence/display/calhelp/Home>